870 Order Status Report

Functional Group ID=RS

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Order Status Report Transaction Set (870) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to report on the current status of a requirement forecast, an entire purchase order, selected line items on a purchase order, selected products/services on a purchase order, or purchase orders for a specific customer in their entirety or on a selection basis. The transaction set can also be used to report on the current status of single or multiple requisitions. The report format allows for the inclusion of "reasons" relative to the status. This transaction set may also be used to update the supplier's scheduled shipment or delivery dates. This transaction set can result from either an inquiry or a prearranged schedule agreed to by the trading partners.

Notes:

1. Country Representatives/Freight Forwarders (CRs/FFs) use this transaction set to respond to an Foreign Military Sales (FMS) Notice of Availability (NOA) providing shipment instructions for material reported available for shipment.

2. Use a single occurrence of this transaction set to transmit single or multiple NOA replies to one or more organizations.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BSR	Beginning Segment for Order Status Report	M	1		
Not Used	040	REF	Reference Identification	O	12		
Not Used	042	TD3	Carrier Details (Equipment)	O	1		
Not Used	043	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	1		
Not Used	044	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
			LOOP ID - N1			200	
Must Use	050	N1	Name	O	1		
Not Used	060	N2	Additional Name Information	O	2		
Not Used	070	N3	Address Information	O	2		
Not Used	080	N4	Geographic Location	O	1		
Not Used	090	REF	Reference Identification	O	12		
Not Used	100	PER	Administrative Communications Contact	O	3		
Not Used	105	PWK	Paperwork	O	1		
Not Used	110	DTM	Date/Time Reference	O	10		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LM			10	
Not Used	120	LM	Code Source Information	O	1		
Not Used	130	LQ	Industry Code	M	100		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			1000	
Must Use	010	HL	Hierarchical Level	M	1		
Not Used	020	PRF	Purchase Order Reference	O	1		
			LOOP ID - ISR			104	
Not Used	030	ISR	Item Status Report	O	1		
Not Used	040	PID	Product/Item Description	O	6		
Not Used	050	QTY	Quantity	O	4		
Must Use	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
	080	DTM	Date/Time Reference	O	10		
Not Used	086	CS	Contract Summary	O	3		n1
			LOOP ID - N1			200	
Must Use	090	N1	Name	O	1		
Not Used	100	N2	Additional Name Information	O	2		
Not Used	110	N3	Address Information	O	2		
Not Used	120	N4	Geographic Location	O	1		
Not Used	130	REF	Reference Identification	O	12		
Not Used	140	PER	Administrative Communications Contact	O	3		
			LOOP ID - LM			10	
	144	LM	Code Source Information	O	1		
Must Use	145	LQ	Industry Code	M	100		
			LOOP ID - PO1			1000	
Not Used	150	PO1	Baseline Item Data	O	1		
Not Used	155	CUR	Currency	O	1		
Not Used	160	SLN	Subline Item Detail	O	100		
Not Used	170	PO3	Additional Item Detail	O	1		
Not Used	180	PID	Product/Item Description	O	1000		
Not Used	190	MEA	Measurements	O	40		
Not Used	200	PKG	Marking, Packaging, Loading	O	25		
			LOOP ID - ISR			104	
Not Used	210	ISR	Item Status Report	O	1		
Not Used	220	PID	Product/Item Description	O	6		
Not Used	230	QTY	Quantity	O	4		
Not Used	240	DTM	Date/Time Reference	O	10		
Not Used	250	N1	Name	O	1		
Not Used	251	N2	Additional Name Information	O	2		
Not Used	252	N3	Address Information	O	2		
Not Used	253	N4	Geographic Location	O	1		
Not Used	260	TD1	Carrier Details (Quantity and Weight)	O	1		

Not Used	270	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
Not Used	280	TD3	Carrier Details (Equipment)	O	1		
Not Used	290	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	1		
Not Used	300	REF	Reference Identification	O	12		
Not Used	310	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
			LOOP ID - LM			10	
Not Used	320	LM	Code Source Information	O	1		
Not Used	330	LQ	Industry Code	M	100		
			LOOP ID - LX			>1	
Not Used	340	LX	Assigned Number	O	1		n2
Not Used	350	REF	Reference Identification	O	>1		
Not Used	360	N1	Name	O	1		
Not Used	370	DTM	Date/Time Reference	O	10		
			LOOP ID - LM			10	
Not Used	380	LM	Code Source Information	O	1		
Not Used	390	LQ	Industry Code	M	100		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	010	CTT	Transaction Totals	O	1		n3
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Use is limited to intra-organizational transactions.

2. The LX loop conveys serial number, lot number, and inventory data.

3. The number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment:	**ST** **Transaction Set Header**	
Position:	010	
Loop:		
Level:	Heading:	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			870 X12.23 Order Status Report	
Must Use	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			A unique number assigned by the originator of the transaction set, or the originator's application program.	

Segment:		**BSR** Beginning Segment for Order Status Report	
Position:		020	
Loop:			
Level:		Heading:	
Usage:		Mandatory	
Max Use:		1	
Purpose:		To indicate the beginning of an Order Status Report Transaction Set	
Syntax Notes:			
Semantic Notes:		1	BSR03 indicates a status report document number assigned by the sender.
		2	BSR04 indicates the date of this report from the sender.
		3	BSR07 indicates the time of this report from the sender.
		4	BSR08 indicates a status report document number assigned by the inquirer.
		5	BSR09 indicates the date this report was requested from the sender by the inquirer.
		6	BSR10 indicates the time this report was requested from the sender by the inquirer.
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	BSR01	850	**Status Report Code**	M	ID 1/2

Code indicating the reason for sending the report

    8   Response to Notice of Availability

               Current status data is provided based upon the processing of a notice of availablity transaction

	Ref. Des.	Data Element	Name		Attributes
Must Use	BSR02	847	**Order/Item Code**	M	ID 1/2

Code identifying a group of orders and items

    CO   All Orders - Unshipped Items

              Use to indicate that all orders remain open.

	Ref. Des.	Data Element	Name		Attributes
Must Use	BSR03	127	**Reference Identification**	M	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.

	Ref. Des.	Data Element	Name		Attributes
Must Use	BSR04	373	**Date**	M	DT 6/6

Date (YYMMDD)

This date is the date of the transaction set preparation and corresponds to the Universal Time Coordinate (UTC).

	Ref. Des.	Data Element	Name		Attributes
Not Used	BSR05	848	**Product/Date Code**	O	ID 1/2

Code indicating whether the inquiry is based on products and/or date parameters

	Ref. Des.	Data Element	Name		Attributes
Not Used	BSR06	849	**Location Code**	O	ID 1/2

Code indicating the selection of a supplier's and/or buyer's locations or group of locations

| Must Use | BSR07 | 337 | **Time** | **O** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

1. Express the originating activity's time of transaction set preparation in UTC.

2. Express time in a four-position (HHMM) format.

| Not Used | BSR08 | 127 | **Reference Identification** | **O** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| Not Used | BSR09 | 373 | **Date** | **O** | **DT 6/6** |

Date (YYMMDD)

| Not Used | BSR10 | 337 | **Time** | **O** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| Must Use | BSR11 | 353 | **Transaction Set Purpose Code** | **O** | **ID 2/2** |

Code identifying purpose of transaction set

    00   Original

    77   Simulation Exercise

Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.

| Not Used | BSR12 | 306 | **Action Code** | **O** | **ID 1/2** |

Code indicating type of action

Segment:	**N1** Name	
Position:	050	
Loop:	N1 Optional (Must Use)	
Level:	Heading:	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1 At least one of N102 or N103 is required.	
	2 If either N103 or N104 is present, then the other is required.	
Semantic Notes:		
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
	2 N105 and N106 further define the type of entity in N101.	
Notes:	*Must use this 1/N1/050 loop to identify the organization originating the transaction set.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	**Entity Identifier Code**	M	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
			Use only one of code 98 or CY.		
			98 Freight Management Facilitator		
			Organization and/or individual responsible for the monitoring and management of freight services		
			Use to identify the FF originating the transaction set.		
			CY Country		
			Use to identify the CR originating the transaction set.		
Not Used	N102	93	**Name**	X	AN 1/35
			Free-form name		
Must Use	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 D-U-N-S Number, Dun & Bradstreet		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			10 Department of Defense Activity Address Code (DODAAC)		
			M4 Department of Defense Routing Identifier Code (RIC)		

			An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions		
Must Use	**N104**	**67**	**Identification Code**	**X**	**AN 2/20**
			Code identifying a party or other code		
Not Used	**N105**	**706**	**Entity Relationship Code**	**O**	**ID 2/2**
			Code describing entity relationship		
Must Use	**N106**	**98**	**Entity Identifier Code**	**O**	**ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		

        FR   Message From

> Must use with the appropriate 1/N101/050 code to indicate that the organization cited in N104 is originating the transaction set.

Segment:	**HL** Hierarchical Level	
Position:	010	
Loop:	HL Mandatory	
Level:	Detail:	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments	
Syntax Notes:		
Semantic Notes:		
Comments:	**1**	The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
	2	HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
	3	HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
	4	HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
	5	HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes:		***The transaction set hierarchical data structure is shipment unit only as identified by the FMS notice number assigned to control the shipment.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**HL01**	**628**	**Hierarchical ID Number**	**M AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			In the first 2/HL/010 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.	
Not Used	**HL02**	**734**	**Hierarchical Parent ID Number**	**O AN 1/12**
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
Must Use	**HL03**	**735**	**Hierarchical Level Code**	**M ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure	
			S Shipment	
			Use to identify the individual shipment loops addressed in the FMS NOA reply.	

Not Used   **HL04**   **736**   **Hierarchical Child Code**   **O   ID 1/1**

Code indicating if there are hierarchical child data segments subordinate to the level being described

Segment:	**REF** Reference Identification	
Position:	060	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional (Must Use)	
Max Use:	12	
Purpose:	To specify identifying information	
Syntax Notes:	1	At least one of REF02 or REF03 is required.
	2	If either C04003 or C04004 is present, then the other is required.
	3	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.
Comments:		
Notes:	*Use multiple repetitions to identify the applicable control information.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	REF01	128	**Reference Identification Qualifier**	M	ID 2/3

Code qualifying the Reference Identification

FN	Forwarder's/Agent's Reference Number	

Use to identify the customer (CR/FF) assigned transportation order number used for internal control of the shipment.

K1	Foreign Military Sales Notice Number	

Number assigned to control a foreign military sales shipment from shipper to consignee

Must use to identify the FMS NOA number assigned to the shipment.

LO	Load Planning Number	

Use to identify the number of transactions included in the shipment.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	REF02	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	REF03	352	**Description**	X	AN 1/80

A free-form description to clarify the related data elements and their content

Not Used	REF04	C040	**Reference Identifier**	O	

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Not Used	C04001	128	**Reference Identification Qualifier**	M	ID 2/3

Code qualifying the Reference Identification

Not Used	C04002	127	**Reference Identification**	M	AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

| **Not Used** | **C04003** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

| **Not Used** | **C04004** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| **Not Used** | **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

| **Not Used** | **C04006** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**DTM** Date/Time Reference	
Position:	080	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM01	374	Date/Time Qualifier	M	ID 3/3

Code specifying type of date or time, or both date and time

Use to identify the originator's date of transaction preparation and other dates associated with the transaction.

097	Transaction Creation	

Use to indicate the date of transaction preparation.

108	Postmark	

Use to identify the date release and shipping instructions were mailed. Use only when mailing separate release and shipping instructions.

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM02	373	Date	X	DT 6/6

Date (YYMMDD)

Not Used	DTM03	337	Time	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	DTM04	623	Time Code	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	DTM05	624	Century	O	N0 2/2

The first two characters in the designation of the year (CCYY)

Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID 2/3

Code indicating the date format, time format, or date and time format

Not Used   DTM07   1251   Date Time Period   X   AN 1/35
                                 Expression of a date, a time, or range of dates, times or dates and times

Segment:	**N1** Name	
Position:	090	
Loop:	N1	Optional (Must Use)
Level:	Detail:	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.
Notes:	*Must use this 2/N1/090 loop to identify the organization to receive the transaction.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	**M ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

CI	Consignor	
	Use to indicate the shipping activity (activity initiating the NOA).	
ST	Ship To	
	Use to identify the ship to address when the ship to instructions are different than those provided originally.	

	Ref. Des.	Data Element	Name	Attributes
Not Used	N102	93	**Name**	**X AN 1/35**

Free-form name

	Ref. Des.	Data Element	Name	Attributes
Must Use	N103	66	**Identification Code Qualifier**	**X ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)
M4	Department of Defense Routing Identifier Code (RIC)
	An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions

	Ref. Des.	Data Element	Name	Attributes
Must Use	N104	67	**Identification Code**	**X AN 2/20**

Code identifying a party or other code

Not Used	N105	706	**Entity Relationship Code**	**O**	**ID 2/2**

Code describing entity relationship

	N106	98	**Entity Identifier Code**	**O**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

TO   Message To

Must use with code CI to indicate that the organization cited in N104 is receiving the transaction set.

Segment:		**LM** Code Source Information		
Position:		144		
Loop:		LM	Optional	
Level:		Detail:		
Usage:		Optional		
Max Use:		1		
Purpose:		To transmit standard code list identification information		
Syntax Notes:				
Semantic Notes:				
Comments:		**1** LM02 identifies the applicable industry code list source information.		
Notes:		*Use this 2/LM/144 loop to identify coded information maintained in department or agency documentation.*		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**LM01**	**559**	**Agency Qualifier Code**	**M**	**ID 2/2**
			Code identifying the agency assigning the code values		
			DF	Department of Defense (DoD)	
Not Used	**LM02**	**822**	**Source Subqualifier**	**O**	**AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier		

Segment:	**LQ** Industry Code	
Position:	145	
Loop:	LM	Optional
Level:	Detail:	
Usage:	Mandatory	
Max Use:	100	
Purpose:	Code to transmit standard industry codes	
Syntax Notes:	1	If LQ01 is present, then LQ02 is required.
Semantic Notes:		
Comments:		
Notes:	*Use to identify codes consistent with management information requirements.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	LQ01	1270	**Code List Qualifier Code**	O	ID 1/3

Code identifying a specific industry code list

0	Document Identification Code

 Codes that subclassify a transaction

96	Shipment Release Code

Information about shipment release instructions

Use to provide FMS NOA shipment release instructions.

A9	Supplementary Address

Identifies the originating organization's unique logistics information

Must Use	LQ02	1271	**Industry Code**	X	AN 1/30

Code indicating a code from a specific industry code list

Segment:	**SE** Transaction Set Trailer	
Position:	020	
Loop:		
Level:	Summary:	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)	
Syntax Notes:		
Semantic Notes:		
Comments:	**1**	SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SE01	96	**Number of Included Segments**	**M**	**N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	**Transaction Set Control Number**	**M**	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
			Cite the same number as the one cited in ST02.		